	Application No.	Applicant(s)
Notice of Allowability	10/763,708	NISHIMURA ET AL.
	Examiner	Art Unit	
	Antonio A. Caschera	2628	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *amendment filed 01/18/08*.

2. ☒ The allowed claim(s) is/are *1,2,6,8,12,14,15,19,21,25,27,29,31,32 and 34-38*.

3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

   a) ☒ All   b) ☐ Some*   c) ☐ None   of the:

   1. ☒ Certified copies of the priority documents have been received.

   2. ☐ Certified copies of the priority documents have been received in Application No. _____.

   3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.

   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached

   1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.

   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)

2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)

3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____

4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application

6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .

7. ☒ Examiner's Amendment/Comment

8. ☒ Examiner's Statement of Reasons for Allowance

9. ☐ Other _____.

Continuation of Substance of Interview including description of the general nature of what was discussed: Examiner proposed an amendment to claim 34 in order to omit the language ,"An article of manufacture having one or more..." since such language, as interpreted by the Office, cannot be found within the specification. Examiner indicated that claim 34 was previously amended to include such language in the amendment of 02/01/07 and proposed, via Examiner's amendment to omit the "article" phrase of the preamble making the claim read, "A computer readable medium embodied with program code...". Applicant's Representative agreed to such a change. .

DETAILED ACTION

Priority

1.   Acknowledgment is made of applicant's claim for foreign priority under 35

U.S.C. 119(a)-(d). The certified copy has been filed in the pending application.

Examiner's Amendment

2.   An examiner's amendment to the record appears below. Should the changes

and/or additions be unacceptable to applicant, an amendment may be filed as provided by

37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no

later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview

with Michael Mallie on 02/27/2008. The substance of the interview can be found in the

attached interview summary form.

The application has been amended as follows:

IN THE CLAIMS:

1-2. (Previously Presented)

3-5. (Cancelled)

6. (Previously Presented)

7. (Cancelled)

8. (Previously Presented)

9-11. (Cancelled)

12. (Previously Presented)

13. (Cancelled)

14-15. (Previously Presented)

16-18. (Cancelled)

19. (Previously Presented)

20. (Cancelled)

21. (Previously Presented)

22-24. (Cancelled)

25. (Previously Presented)

26. (Cancelled)

27. (Previously Presented)

28. (Cancelled)

29. (Previously Presented)

30. (Cancelled)

31-32. (Previously Presented)

33. (Cancelled)

34. (Currently Amended)   An ~~article of manufacture having one or more~~ computer-

readable medium embodied with program code to cause a computer to perform a method

for reversibly transforming a data format as part of a coding and decoding process that

includes compression, the method comprising performing a forward transformation and

a backward transformation reciprocally on data between unit systems having different

resolution levels defined by a brightness and a color difference,

wherein in the forward transformation and the backward transformation, a first

unit system having a lower resolution level is used as a common unit system, and the

method further comprising performing a reversible data conversion with use of an

integer operation for data in the first unit system and data in a second unit system having

a higher resolution level higher than the first unit system,

wherein the first unit system is for a first color space and the second unit system is

for a second color space that is based on three primary colors of lights, the first color

space being different than the second color space, and further wherein performing the

reversible data conversion comprises determining each component value of one of the

first and second color spaces during data conversion in at least one of the forward and

backward transformations based on all of the component values of the other of the first

and second color spaces, and by using the first color space as the common unit system,

the reversible data conversion is performed by the integer operation, so that the

backward transformation to transform first data in the first color space to second data in

the second color space and the forward transformation to transform the second data in

the second color space to third data in the first color space are conducted, where the first

data corresponds to the third data.

35-38. (Previously Presented)

Response to Arguments

3.   The Office notes the cancellation of claims 4 and 17.

4.   Applicant's arguments, see pages 19-20 of Applicant's Remarks, filed 01/18/08,

with respect to the objection of claims 35-38 have been fully considered and are

persuasive. The objection of claims 35-38 has been withdrawn since amendments to the

claims and arguments further clarifying elements of the claims, remedy the previous

issues.

5.   Applicant's arguments, see pages 20-21 of Applicant's Remarks, filed 01/18/08,

with respect to the 35 USC 101 rejection of claim 34 have been fully considered and are

persuasive. The 35 USC 101 rejection of claim 34 has been withdrawn since

amendments to the claim now recite statutory acceptable language.

Allowable Subject Matter

6.   Claims 1, 2, 6, 8, 12, 14, 15, 19, 21, 25, 27, 29, 31, 32 and 34-38 are allowed.

        The following is an examiner's statement of reasons for allowance:

        In reference to claims 1, 8, 14, 21 and 34, the prior art of record does not

explicitly disclose the specifics of performing a backward data transformation using first

data of a first color space, to transform such data into a second data of a second color

space being different than such first color space and having a higher resolution than such

first color space along with reversibly performing a backward transformation using an

integer operation so that the forward transformation transforms the second data in the

second color space to third data in the first color space where first data corresponds to

third data, in combination with the further limitations of claims 1, 8, 14, 21 and 34

respectively.

In reference to claims 2, 6, 15, 19, 27, 29, 31, 32 and 35-38, claims 2, 6, 15, 19,

27, 29, 31, 32 and 35-38 depend upon claims 1, 8 and 14 and are therefore also deemed

allowable.

In reference to claims 12 and 25, the prior art of record does not explicitly

disclose the specifics of performing backward and forward, reversible data

transformation implementing the first unit system as a "BNU" unit system converting to a

1/100mm second unit system, in combination with the further limitations of claims 12

and 25 respectively.

Any comments considered necessary by applicant must be submitted no later than

the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Conclusion

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Antonio Caschera whose telephone number is (571) 272-

7781. The examiner can normally be reached Monday-Thursday and alternate Fridays

between 7:00 AM and 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Kee Tung, can be reached at (571) 272-7794.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

571-273-8300 (Central Fax)

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (571) 272-2600.

aac

2/28/08

KEE M. TUNG
SUPERVISORY PATENT EXAMINER